NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
Additional work			
Cross Road			
4th main Pumps Extn 2.78 x 5.0 Area	5th main pumps Extn 2.46 x 5.0 Area	INDEX B.S. Slab Wrk Wrk as per Est Additional wrk CD Wrk	
Lay out main Road			

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

R/O. 29/6/13

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

188665

Serial No. 1st and Final

Name of work... providing to Road, drain and Asphalting to Road in Vinayaka lay out 2nd main, 2nd stage in ward no 7 Agency: M.R. GIRISH

From

To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	EST Cost Rs 19.90 lacs Job Code NO: 007-13-00011. P-1771. AS NO: JC(4) AS. 71/13-14. TS NO: EE/BTP/TS/304/13-14. Ag NO: EE/BTP/Ag/6/13-14 Wrk order NO: EE/BTP/W.O/ /13-14.						
(1)	Removing B.S. Slab and stacking Qty Recorded in the ors vide P.NO 188665 Qty = 1374.10 Limited to 943.80 Sqft						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty 943.80 sqm @ Rs 45.36/sq					Rs 42811=00	
2)	Refixing stone slab of drains and pointing in CM 1:3.						
	Balewadi Road 2nd main	2	182.0	1.35	–	491.40	
	5th M/R. (N-S) Rs	1	246.0	1.35	–	332.10	
	pumps Extn				Totally	823.50 Rs	
	Qty limited to 660.68 sqm @ Rs 61.26/sq					Rs 42,454=00	
3)	providing granite slab of selected quality dressed and fixed in CM 1:6 including fixing curing etc complete						
	5th M/R. pumps Rs Extn	1	246.0	1.35	–	332.10 Rs	
						332.10	
	Qty limited to 188.76 sqm. @ Rs 321.67/sqm					Rs 60718=00	
4)	E/W Excavation by manual means in ordinary soil including an Avg Horizontal through up to 2m and an Avg lift up to 0.5m.	Excavated	Surface	levelled			

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
	and side neatly dress	
	neatly after breaking o	
	Balewadi Road 2nd main	1
	5th main Road pumps Extn	1
	4th main Road pumps	1
	foot path	2
	Qty limited to	6
	@	

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
@ Rs 45.36/sq			Rs 42811=00	
ains and pointing in CM 1:3				
182.0	1.35	—	491.40	
246.0	1.35	—	332.10	
		Totally	823.50	
m @ Rs 61.26/sq			Rs 42454=00	
Selected quality dressed				
g fixing curing etc complete				
6.0	1.35	—	332.10	
			332.10	
sqm. @ Rs 221.67/sqm			Rs 60718=00	
reams at 0.80 t including				
up to 2m and an Avg				
ed Surface levelled				

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

188626

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	and Side neatly dressed the disposed earths to be levelled neatly after breaking & clods complete as per specification						
	Balewadi Road 2nd main	1 —	182.0	4.50	0.20	163.80 cum	
	5th main Road pimple Extn	1 —	246.0	5.0	0.10	123.00	
	4th main Road pimple	1 —	278.0	5.30	0.20	294.68	
	foot path	2 —	278.0	2.10	0.30	350.28	
					Totaly	931.78 cum	
	Qty limited to	686.40 cum					
	@ Rs	59.49/cum				Rs 40834=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	providing compaction & original Ground with Maximum 6 pass of 8 to 10 T on power Roller including filling in depression occuring during Rolling including Cost of all Labour Hire & Machineries complete as per Spn						
Vizag	Balerandi Road 2nd main	1	182.0	4.20	–	764.40 Sqm	
	pipe Ex 5th M/s	1	246.0	5.40		1328.40	
	4th M/s	1	278.0	5.20		1445.60	
					Total qty	3538.40 Sqm	
	Qty limited to 3432.00 Sqmt						
	@ Rs 3.86 / Sqm					Rs	13,248=00
6)	providing laying Spreading and compacting grade stone aggregate & wet Mix macadam Specification including mixing the materials with OHE in Mechanical Mix plant carriage & Mixed to						

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Tipper site laying w
	Coarse on well prepare
	Rollers to abvie Faults
	Qty limitted to 6
7)	providing and app
	emulsion on prepa
	cleaning of Roads

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			original Ground with	
			on power Roller including	
			ering during Rolling including	
			ouliniencies complete as per Spn	
182.0	4.20	–	764.40	
246.0	5.40		1328.40	
278.0	5.20		1445.60	
		Totally	35 38.40	
32.00 Sqmt				
3.86 /Sqm			Rs	13,248=00
			reading and compacting	
			g wet Mix Macadam	
			Mixing the Materials with	
			hout Carriage & Mixed to	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188627

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Tippn Site laying in uniform layers with pavers in Sub base Course on well prepared Surface and Compacting by Vibrated Rollers to obtain Proper density						
		1	182.0	4.20	0.20	152.88 cmt	
		1	246.0	5.40	0.20	265.68	
		1	278.0	5.20	0.20	289.12	
					Totally	707.68	
	Qty limitted to 636.40 Cmt @ Rs 1080.67/Cmt					Rs	7,41,772=00
7)	providing and applying coat with bituminous emulsion on prepared Surface of granular base including cleaning of Roads and Spraying primer coat at 0.6 kg						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	per Sqm using Mechanical Means complete as per Specification						
	Qty is same as I.No. ⑤						
	Qty = 3528.40 Sqm limited to 3432.00 Sqm						
	@ Rs 40.43/Sqm						Rs 1,38,786=00
8)	providing and laying SDBC @ 25mm thick wet/ producing output @ 75T/hr using Crushed aggregate & Specified grading premixed with bituminous binder at 4.5 to 5% of Mix and filter Transporting the hot Mix to work site etc complete as per Specification and direction of the Engineer incharge						
	Balewadi Road E-W 2nd main	1	30.0	$\frac{4+4.2}{2}$	0.025	3.15 Cum	
		1	30.0	4.20	0.025	3.30	
		1	30.0	$\frac{4.4+4.2}{2}$	0.025	3.22	

M.A.
Me

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		1
		1
		1
		1
	5th M/R. pumps Exch (5 - N7).	1
		1
		1
		1
		1
		1

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
			ous complete as per	
			ted to 3432.00 Sq.m	
				Rs 1,38,786=00
			25 mm thick well	
			ing crushed aggregate	
			its bituminous binder	
			ous per ting the hot mix	
			specification and	
			ge	
4+4.2	0.025	3.15 cubic		
4.40	0.025	3.30		
4+4.2	0.025	3.22		

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

188628

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5th M/R. Pimpra Extn (S-N).	1	30.0	$\frac{4.2+5.40}{2}$	0.025	3.60 cubic	
		1	30.0	$\frac{5.4+4.20}{2}$	0.025	3.60	
		1	30.0	$\frac{4.2+3.80}{2}$	0.025	3.00	
		1	2.0	$\frac{4.2+3.80}{2}$	0.025	0.20	
		1	30.0	$\frac{5.60+5.3}{2}$	0.025	4.08	
		1	30.0	$\frac{5.3+5.40}{2}$	0.025	4.01	
		1	30.0	$\frac{5.40+4.30}{2}$	0.025	3.63	
		1	30.0	$\frac{4.3+5.40}{2}$	0.025	3.63	
		1	30.0	5.40+	0.025	4.05	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.0	$\frac{5.4+4.7}{2}$	0.025	3.78 cubr	
		1	30.0	$\frac{4.7+4.10}{2}$	0.025	3.30	
		1	30.0	$\frac{4.1+4.0}{2}$	0.025	3.03	
		1	6.0	4.0	0.025	0.60	
	4th M/R pumpa Exam (N-S)	1	30.0	$\frac{5.2+5.30}{2}$	0.025	3.93	
		1	30.0	$\frac{5.3+5.10}{2}$	0.025	3.90	
		1	30.0	$\frac{5.1+5.20}{2}$	0.025	3.37	
		1	30.0	$\frac{5.1+4.80}{2}$	0.025	3.71	
		1	30.0	$\frac{4.84+4.60}{2}$	0.025	3.54	
		1	30.0	$\frac{4.65+6.20}{2}$	0.025	4.06	
		1	30.0	$\frac{6.2+5.40}{2}$	0.025	4.35	

C&FC

29/4/2024

29/4

Qty limited to 85.80 cu

@ 9171.92

9) Earth work Excavation for f
culverts wb sanitary line
cillier in pits or in trench 1.5

M.A.R.

Meas

Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
0.0	5.4+4.7/2	0.025	3.78 cubr	
0.0	4.7+4.10/2	0.025	3.30	
0.0	4.1+4.0/2	0.025	3.03	
.0	4.0	0.025	0.60	
0.0	5.2+5.30/2	0.025	3.93	
0.0	5.3+5.10/2	0.025	3.90	
0.0	5.1+5.20/2	0.025	3.37	
0.0	5.1+4.80/2	0.025	3.71	
0.0	4.84+4.60/2	0.025	3.54	
0.0	4.65+6.20/2	0.025	4.06	
0.0	6.2+5.40/2	0.025	4.35	

Rec 29/4

M.A.R. 57 (Ru

Measurement

No. A/11 188629

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	C&FC'	1	30.0	5.4+5.8/2	0.025	4.20 cubr	
		1	30.0	5.80+5.20/2	0.025	3.93	
	2.96/2023	8.0		5.80	0.025	1.16	
					Totally	86.86 cubr	
	Qty limited to	85.80 cubr					
	@ Rs	9171.92 cubr				Σ	7,86,951=00
9)	Earth work excavation for foundation of buildings culverts wb sanitary line and Electrical conduites cillin in pits or in trench 1.5m and above in width						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in O.Soil not Exceeding 1.5m in depth including dressing the bottom in O. Soil lead up to 50m. after breaking & clods complete as per Specifications.						
	Culverts pipe Ex,	1	8.20	2.10	1.10	18.94 cm	
	Qty limited to		12.96 cmt				
	@ Rs		137.70/cmt			½	1785=00
10)	providing and laying C.C & Mix 1:4:10 with ope Cmt & 220 kg with 40mm and down size graded granite metal Course aggregate & 0.89 Cum. and fine agg well Compacted in foundation and plinth including Cost & all materials labour Hire etc complete						
		1	8.20	2.10	0.30	5.16 cmt	
	Ramp	2	8.20	2.20	0.20	7.21	
		4357.93		Totals		12.37	
	@ Rs	137.70/cmt				½	56479=00

Serial No.....

Name of work.....

Name of Contractor of nat

Date of commencement o

Date	Full description, etc
1	2
11)	providing C 1:6 stone hard high bond st cost & mater Qty li
12)	providing a etc and Reno & columns fr

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
epth including dressing			
n. after breaking &			
2.10	1.10	18.94 cmt	
cmt		2	1785=00
c/cmt			
& mix 14.10 with ope			
mm size graded			
& 0.89 cum. and fine			
ion and plinth including			
etc complete			
2.10	0.30	5.16 cmt	
2.20	0.20	7.21	
Totals		12.37	
		1	56479=00

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 188630

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
11)	providing and constructing S.S.M in foundation with CM 1:6 stone hammer dressed in coarse not less than 20 cm high band stones at 2m apart in each course including cost & materials labour etc complete as per specifications						
		2	8.20	0.60	0.90	8.85 cmt	
	Qty limited to 5.76 cmt @ Rs					208.65 cmt 2816.79	Rs. 1202=00 1.6225=00
12)	providing and Removing centering, shuttering propping etc and Removal of forms to foundation footing beam & columns for mass Concrete including cost & Materials						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	labour etc Complete as per Specifications						
		1	8.20	0.60	4.928		
	Sides	2	8.20	0.23	3.77		Cross leg
		2	1.80	0.23	0.83		
				Totally	9.528		
	@Rs 206/sqm					Rs	7752=00 1961=
13)	providing cc using 20mm and down size granite Jelly of Rock of Rce works laid in 15 cm thick layer and well Compacted including vibrating curing etc Complete.						
		1	8.20	1.80	0.23	3.39 cum	
	Qty limited to 3.3 cum @Rs 5752.56/cm					Rs	19041=00
14)	providing TMT Steel Rce works including straightening cutting hooking placing in position lapping and welding wherever required tying with binding wire and embedy						

Serial No.....
Name of work.....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc, of
1	2
	to the adjoining Specification cost Qty Recorded Qty 16mm Φ 12mm Φ = 5.83 Quintal
16)	providing R with CM 1:3:2

BOOK

...ons Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
...ations			
0.60	4.928		
0.23	3.77		
0.23	0.83		
...lly	9.528		
		Rs	7752=00
			1961=
...lown size granite			
...cm thick layer and			
...ing containing etc			
1.80	0.23	3.39 cmt	
@ Rs 5752.56/cmt		Rs	19041=00
...luding straightening			
...on lapping and welding			
...iding wire and embedy			

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188631

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	to the adjoining Member wherever necessary Complete as per specification cost of Material labour etc complete						
	Qty Recorded in this MB vide P.O. 188666.						
	Qty 16mm ϕ =		194.40	x 1.671 kg/m =		324.94 kgs	
	12mm ϕ =		297.60 m	x 0.888 kg/m =		258.94 kgs	
				Totally		583.58 kg	
	= 5.83 Quintal limited to 2.64 Quintal @ Rs 7469/Quintal					Rs	19718=00
(16)	providing Ruled pointing to Concrete & Masonry with CM 1:3:20mm deep after Raking Joints in depth						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	& Commencially including cost & all materials, labour cutting etc complete.						
		2	8.10	0.90	-	72.90	
	Qty limited to 40.80 Sqm @ Rs 73.03 Sqm					Rs	351=00
							19,73,872=00
					To fully		1983104=00
	Certificate: certified that the above said work is done satisfactorily, work is done with in the BBMP limit and no debris in work spot						
						29/6/13.	

29/6/13

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Serial No.....
Name of work.....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc, of
1	2
	19
	1676045